

### ABSTRACT

A wireless communication system includes a transmitting antenna, a transmitter, a directional receiving antenna, a receiver, and a communication interface. The transmitter transmits first wireless signals via a transmitting antenna. A

- 5 directional receiving antenna has an angle of less than forty five degrees and the directional receiving antenna is directed toward an angular area of less than forty five degrees. A receiver receives second wireless signals via the directional receiving antenna. A communication interface is connected to the receiver, the transmitter, and a communication network. The communication interface
- 10 provides the communication services between a communication network and the user communication devices.